

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (amended) A method of remote monitoring equipment for a machine fault, comprising,
monitoring equipment for an agricultural machine for
detecting operational fault information,
automatically transmitting detected fault information to a
central information server, and
automatically transmitting the fault information to a person
having owner, custodial or service responsibility for
the machine.

2. (currently amended) The method of claim ~~14~~ 1 wherein the fault information is transmitted to the fleet manager via e-mail or telephone.

3. (currently amended) The method of claim 1 wherein the machine is one of a fleet of machines, and the foregoing
steps of monitoring, and transmitting the fault information, are used in conjunction with each machine in the fleet.

4. (amended) The method of claim 2 wherein the fault information is diagnosed at the central information server, and information resulting from the diagnosis is the fault information transmitted to the fleet manager.

5. (currently amended) The method of claim 1 wherein the ~~machine is an agricultural machine,~~ the central information server is a process computer , and wherein the monitoring equipment is at least one sensor ~~sensing that~~ senses operational characteristics of the machine, ~~submitting~~ submits data containing information about the sensed characteristics to the process computer, and wherein the process computer ~~communicating~~ communicates the fault messages to the remotely located person.

6. (currently amended) The method of claim 1 wherein the ~~type of fault~~ information is at least one of an operational fault or a crop processing fault.

7. (currently amended) The method of claim 6 wherein an operational parts fault corresponds to operational data of the operational parts of the agricultural machine exceeding the predefined threshold, and the crop processing fault corresponds to crop processing characteristics of ~~the an~~ agricultural implement exceeding a predefined threshold.

8. (amended) The method of claim 1 wherein the type of fault is a service interval fault indicating that a predefined service interval is exceeded.

9. (currently amended) The method of claim 6 wherein the operational data of the operational parts of the agricultural machine are data concerning at least one of a main engine's oil pressure, temperature, number of rotations and number of

rotations of an operative element of ~~the~~ an agricultural implement.

10. (currently amended) The method of claim 6 wherein the crop processing characteristics of operational parts of the agricultural machine are the amount of lost grain in a threshing and separating process of a combine.

11. (amended) The method of claim 5 wherein the monitoring equipment is sensing crop processing data of the machine and transmitting the same data to the process computer wherein a detected fault message is submitted when a crop processing fault is identified.

12. (currently amended) The method of claim 7 wherein the operational data of the operational parts of the agricultural machine are data concerning at least one of the main engine's oil pressure, temperature, number of rotations and number of rotations of an operative element of the agricultural machine.

13. (currently amended) The method of claim 12 wherein ~~the~~ a detected fault message is the amount of lost grain in a threshing and separating process of a combine.

14. (previously presented) The method of claim 1 wherein the person is a fleet manager.

15. (withdrawn) A method of monitoring equipment for an agricultural machine, comprising the steps of:

detecting the status of at least one operative part of the agricultural machine;
processing the detected status to determine if the detected status falls within a first predefined range;
processing the detected status to determine a performance parameter and determine if the performance parameter falls within a second predefined range;
automatically transmitting a fault message to a remote location when the detected status falls outside the first predefined range; and
automatically transmitting a fault message to a remote location when the performance parameter falls outside the second predefined range.

16. (withdrawn) The method of claim 15 wherein the fault message identifies a type of fault message as one of an engine fault, a crop processing fault, and a performance fault.

17. (withdrawn) The method of claim 15 further comprising the step of determining the type of fault that has occurred at the remote location and proposing appropriate measures.

18. (withdrawn) The method of claim 15 further comprising the step of activating an actuator based on the processed detected status.

19. (withdrawn) The method of claim 15 further comprising the step of activating an actuator based on the processed performance parameters.

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20. (withdrawn) The method of claim 15 wherein the remote location has a plurality of message blocks.